## **Appendix C: Snake River information**

This Page Intentionally Left Blank.

		DE 91 30	minaning on or	nake River, Ap Tild	en Bridge		v. FIOHS BI	ioi sept	omber 2	.002 are	provisiUlidi.	Blackfor	ot steel brid	ige - SR-1	2						Firth - SR	-3						She	lley bridge	SR-4			_
				10	- Indige	Total						Didento	3,00,000	Total							1 1101 - 011	Total						0110	licy bridge	Total		Т	T
			Dissolved		Total	Kjeldahl	Total	TOOL			Dissolved		Total	Kjeldahl	Total	T00/			Dissolved		Total	Kjeldahl	Total	T00/			Dissolved		Total	Kjeldahl	Total	700/	,
	O	Claur	ortho-	Total	ammonia	nitrogen as N	NO <sub>2</sub> +NO <sub>3</sub> as N	TSS/ SSC <sup>A</sup>	Tur- bidity	Flow	ortho-	Total phosphorus	ammonia as N	nitrogen as N	NO <sub>2</sub> +NO <sub>3</sub> as N	TSS/ SSC <sup>A</sup>	Tur-	Class	ortho- phosphorus	Total	ammonia as N	nitrogen as N	NO <sub>2</sub> +NO <sub>3</sub> as N	TSS/ SSC <sup>A</sup>	Tur- bidity	Flow	ortho-	Total phosphorus	ammonia	nitrogen	NO <sub>2</sub> +NO <sub>3</sub> as N	TSS/	
Date	agency	(cfs)	as P (ma/l.)	phosphorus as P (mg/L)	as N (mg/L)	(mg/L)	(mg/L)	(mg/L)			as P (mg/L)		(mg/L)	(mg/L)	(mg/L)				as P (mg/L)			(mg/L)		(mg/L)				as P (mg/L)	as N (mg/L)	as N (mg/L)	(mg/L)	(mg/L	
-Apr-00	USGS	7380	dor (mgrz)	GOT (MgC)	111.50.27	(mgre)	(g-c)	50	(1110)	(0.5)	ast (mg/c/	us (mg/c)	(g-c)	(mgra)	(mg/c)	(mg/c)	(1110)	(0.0)	dor (mg/c/	oo. (mgrey	(mg/L)	(mg/c)	(mgrz)	,	(110)	8740	ast (mg/c/	001 (1192)	(IIIgray	(IIIgray	(mg/L)	24	_
-Apr-00		7640	0.007	0.065	0.006	1	0.169	45	3.2																	0.1.10						-	+
-Apr-00	USGS																									9220	0.004	0.03	0.014	0.27	0.106	16	1
May-00	USGS	3990						26																		7730						12	
-May-00	USGS	4770	0.002	0.031	0.006	0.22	0.077	14	2.3																								
-May-00	USGS																									7820	0.003	0.024	0.003	0.18	0.101	10	
-May-00	USGS	3210	0.004	0.036	0.004	0.25	0.035		2.1																								
-May-00	USGS							_																	$\longrightarrow$	6880	0.009	0.027	0.005	0.18	0.074	_	$\perp$
-Jun-00		8290	0.001	0.059	0.006	0.25	0.1	-	4.9																	11700	0.005	0.036	0.007	0.28	0.098	-	1
-Jun-00		5760	0.001	0.028	0.002	0.25	0.049	18	2.6																	9130	0.004	0.026	0.012	0.21	0.094	12	- 3
-Jun-00		4880	<0.001	0.025	0.004	0.21	0.058	13	1.6																-							+-	+
-Jun-00	USGS	0.450	0.000	0.004		0.00	0.040											$\vdash$							-	8160	0.002	0.026	0.01	0.2	0.11	2	+:
7-Jul-00		3450	0.003	0.024	<0.002	0.23	0.046	15	2.1																	7000 7240	0.004	0.015	0.002	0.2	0.069	5	+
9-Jul-00	USGS	4470	0.000	0.044	0.000	0.24	0.062	20	3.3																	7240	0.005	0.022	0.008	0.19	0.071	- 5	+
-Aug-00	USGS	4170 2170	0.003	0.041	0.008	0.34	0.059	29	0.9									$\vdash$								4890	0.007	0.019	0.02	0.2	0.068	2	+
-Aug-00		2110	0.003	0.010	0.005	0.26	0.038	8	<0.5									$\vdash$							$\vdash$	-,000	0.007	0.018	0.02	0.2	0.000	-	+
-Aug-00	USGS	2.10	0.001	U.UE 1	0.000	U.ZU	0.020	Ť	-3.5																	4370	0.004	0.02	<0.002	0.15	0.039	6	<
-Sep-00		1310	0.003	0.014	0.003	0.21	0.106	3	<0.5																	1010	0.001	0.02	-0.002	0.10	0.000	Ť	+
-Sep-00	USGS																									3520	0.007	0.021	0.01	0.18	0.046	3	<
-Sep-00	USGS	2250	0.002	0.02	0.006	0.22	0.063	9	0.6																								Т
-Sep-00	USGS																									3580	0.004	0.02	0.008	0.2	0.065	4	
Dec-00	DEQ	2190	0.006	0.022	0.007	0.12	0.254	4		2300 E	0.074 1	0.026	0.007	0.14	0.258	2			0.009	0.024	0.013	0.13	0.274	2		2700 E	0.015	0.026	0.016	0.13	0.324	2	Τ
3-Jan-01	DEQ																									2400 <sup>E</sup>		0.064	0.064	0.34	0.355	3	$\perp$
-Feb-01	DEQ	2480	0.012	0.051	0.033	0.2	0.28	14										$\square$								3000 E	0.018	0.035	0.094	0.17	0.266	3	$\perp$
Apr-01	USGS	2120	0.006 E	0.04	0.007	0.39	0.127	29	3																							-	$\perp$
Apr-01	USGS								-																-	2740	0.008	0.034	0.009	0.26	0.21	19	4
-Apr-01	DEQ	2050	0.005	0.048	0.041	0.36	0.058	9	2.6									$\vdash$	0.008	0.091	0.037	0.38	0.109	26	$\vdash$							+	+-
)-Apr-01	USGS	1260	0.005	0.049	0.004	0.51	0.13	19	5.4	1.150	-0.005	0.047	0.047	0.05	-0.005	_		$\vdash$	0.005	0.040	0.040	0.00	0.000	40	-	1970	<0.007	0.037	0.012	0.39	0.104	14	5
3-Apr-01	DEQ	1370	<0.007	0.047	0.009	0.41	0.200	13	9.9	1450	<0.005	0.047	0.017	0.35	<0.005	- 8			0.005	0.048	0.016	0.33	0.006	10		3560	<0.007	0.036	0.003	0.27	0.099	9	1
May-01 May-01	USGS DEQ	13/0	<0.007	0.047	0.009	0.41	0.209	13	9.9	1500	< 0.005	0.047	0.009	0.31	0.007	15		$\vdash$	<0.005	0.046	0.011	0.3	0.039	11		3300	<0.007	0.036	0.003	0.27	0.099	9	+
-May-01	USGS	1590	<0.007	0.051	0.011	0.42	0.094	14	7.5	1500	<0.005	0.047	0.009	0.51	0.007	15			<0.005	0.040	0.011	0.5	0.059									+	+
-May-01	USGS	1000	<0.007	0.031	0.011	0.42	0.034	14	1.5																	6620	<0.007	0.036	0.006	0.2	0.109	13	-
-May-01	DEQ									1680	0.013	0.04	0.008	0.2	0.048	9			0.038	0.071	<0.005	0.22	0.118	9		0020	40.007	0.000	0.000	0.2	0.100	10	۲
-Jun-01	DEQ									2390	<0.005	0.038	0.006	0.21	0.099	10			<0.005	0.036	0.007	0.19	0.128	8								+	+
-Jun-01	USGS	1830	<0.007	0.035	0.012	0.35	0.075	11	6.1																	5290	0.004	0.024	0.016	0.18	0.129	5	4
-Jun-01	USGS	1990	<0.007	0.027	0.006	0.25	0.066	10	5																$\overline{}$	5070	0.005 E	0.021	0.008	0.18	0.087	4	3
-Jun-01	DEQ									1900	<0.005	0.025	0.01	0.3	0.024	2			<0.005	0.02	0.013	0.2	0.057	2									Т
-Jul-01	USGS	1530	<0.007	0.03	0.002	0.36	0.078	15	4																	5210	<0.007	0.016	0.002	0.18	0.081	4	1 2
6-Jul-01	USGS	2160	< 0.007	0.03	< 0.002	0.26	0.091	10	4.2																	5210	0.007	0.021	0.011	0.22	0.121	4	
Aug-01	USGS	1350	<0.007	0.017	0.008	0.24	0.078	5	3.1																	4150	<0.007	0.013	0.01	0.23	0.048	2	1
Aug-01	DEQ									1720	0.005	0.03	0.126	0.34	0.008	3			0.006	0.027	0.061	0.25	0.014	2									
-Aug-01	USGS	1160	<0.007	0.018	0.008	0.21	0.086	3	4.7																	4220	0.004 E	0.021	0.009	0.17	0.063	2	-
-Aug-01	DEQ									1840	< 0.005	0.019	0.005	0.21	< 0.005	4			0.006	0.025	< 0.005	0.23	0.038	4									$\perp$
Sep-01		3830	<0.007	0.032	0.003	0.28	0.037	27	5.8									$\sqcup$														1	$\perp$
-Sep-01	USGS																									4320	0.008	0.022	0.004	0.19	0.048	2	$\perp$
Sep-01	DEQ							_		2780	<0.005	0.016	0.059	0.2	0.005	2			<0.005	0.028	0.006	0.2	0.014	8	$\longrightarrow$							_	$\perp$
Sep-01	USGS	1880	0.006 E	0.017	0.008	0.16	0.05	3	3.4															_								1	$\perp$
-Sep-01	USGS					_												$\vdash$		_				_		4340	0.009	0.021	0.01	0.16	0.03	2	+
-Sep-01	DEQ									2820	<0.005	0.018	0.017	0.2	0.005	3			0.007	0.02	0.013	0.2	0.007	2								1	+
Oct-01		2190	<0.005	0.017	0.013	0.13	0.035	4		2470	<0.005	0.013	0.009	0.13	0.034	2			<0.005	0.015	0.012	0.22	0.081	1		2870	0.013	0.023	0.03	0.16	0.142	2	+
-Oct-01	DEQ	1780	0.011	0.014	0.014	0.15	0.052	2	-	2000	0.011	0.011	0.014	0.13	0.022	1		$\vdash$	0.014	0.017	0.018	0.24	0.092	2		2150	0.026	0.028	0.036	0.14	0.16	2	+
Nov-01	DEQ	1890	0.018	0.016	0.034	0.15	0.118	3		2140	0.006	0.015	0.014	0.14	0.133	1			0.006	0.017	0.02	0.12	0.168	<1.0		2280	0.014	0.024	0.029	0.13	0.175	1	+
Nov-01	DEQ	1840	<0.005	0.013	0.01	0.15	0.19	2	-	2110	0.005	0.013	0.011	0.13	0.188	2		$\vdash$	0.01	0.017	0.007	0.14	0.222	2	<del>     </del>	2250 F	0.018	0.029	0.029	0.21	0.248	4	+
-Jan-02	DEQ	1370	0.02	0.031	0.055	0.18	0.413	4																		1700 E	0.024	0.033	0.063	0.15	0.336	2	+
-Feb-02	DEQ	1390	0.019	0.035	0.021	0.2	0.357	5	-	2050	-0.005	0.00	0.040	0.00	0.04	-		$\vdash$	0.000	0.005	0.017	0.47	0.040	-	-	1800 E	0.026	0.041	0.081	0.22	0.319	3	+
Mar-02	DEQ	1840	0.006 0.006	0.045	0.02	0.28	0.239	24	4.9	2050	<0.005	0.03	0.012	0.22	0.24	9			0.006	0.025	0.017	0.17	0.249	4		2210 2090	0.016	0.025	0.056	0.18	0.281	4	+
-Apr-02 3-Apr-02	USGS	1880 2390	0.006	0.049	<0.014	0.37	0.242	18 31	10																	3100	0.01	0.032	0.038	0.28	0.253	8	6
-Apr-02		2390	0.007	0.000	<0.013	0.42	0.246	31	10	1770	0.011	0.048	0.02	0.33	0.23	10			0.014	0.048	0.026	0.00	0.268	10	$\vdash$	5100	0.015	0.041	0.018	0.55	0.233	+ 0	+
Apr-02	DEQ																					0.28											

219 DRAFT 7/20/04

Table C-1.	Continued.																	_			# V - * *												
				Tild	en Bridge -	SR-1	ı	_				Blackfoo	ot steel bri	1	2			-			Firth - SR	-3					1	She	lley bridge	- SR-4			_
						Total	Total							Total	Total							Total	T							Total	T	'	
			Dissolved		Total	Kjeldahl	Total				Dissolved		Total	Kjeldahl	Total				Dissolved		Total	Kjeldahl	Total				Dissolved		Total	Kjeldahl	Total	700	
			ortho-	Total	ammonia		NO <sub>2</sub> +NO <sub>3</sub>				ortho-	Total		nitrogen			Tur-		ortho-	Total	ammonia		NO <sub>2</sub> +NO <sub>3</sub>	TSS/	Tur-		ortho-	Total	ammonia	nitrogen		TSS/	Tur-
	Sampling			phosphorus	as N	as N	as N		bidity			phosphorus		as N	as N				phosphorus		as N	as N	as N		bidity	Flow		phosphorus		as N	as N	SSC <sup>A</sup>	
Date	agency	(cfs)	as P (mg/L	) as P (mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(NTU)	-	as P (mg/L)	as P (mg/L)	(mg/L)	(mg/L)	(mg/L)		(NTU)	(cfs)	as P (mg/L)	as P (mg/L)	(mg/L)	(mg/L)	(mg/L)		(NTU)	(cfs)	as P (mg/L)	as P (mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(NTU
14-May-02	DEQ									1170	< 0.005	0.047	0.02	0.53	<0.005	14			< 0.005	0.04	0.039	0.37	0.005	13									
23-May-02	USGS	3270	< 0.007	0.096	< 0.015	0.57	0.125	79	22																	6590	< 0.007	0.039	0.009	0.25	0.173	13	9.3
27-May-02	DEQ									2480	0.007	0.043	0.01	0.4	0.042	12			0.012	0.043	0.02	0.25	0.095	13									
6-Jun-02	USGS	2740	< 0.007	0.048	< 0.015	0.46	0.088	25	6.8																	5700	0.014	0.05	0.017	0.28	0.152	11	9.8
12-Jun-02	DEQ									2250	0.01	0.029	0.026	0.2	< 0.005	4.4																	
20-Jun-02	USGS	2420	< 0.007	0.042	< 0.015	0.44	0.037	20	4.3	LLUU	0.01	0.020	0.020		-0.000											6650	<0.007	0.026	<0.015	0.19	0.111		4.1
26-Jun-02	DEQ	2-120	40.007	0.042	40.010	0.44	0.001	20	7.0	1930	< 0.005	0.023	0.032	0.3	< 0.005	6.4	3.21		<0.005	0.024	0.028	0.23	<0.005	4.4	2.02	0000	40.007	0.020	40.010	0.10	0.111		-4.1
		4000	0.007	0.024	0.045	0.22	0.000	-	4.6	1930	<0.003	0.023	0.032	0.5	<0.003	0.4	3.21		V0.003	0.024	0.020	0.23	<0.003	4.4	2.02	4540	0.004 E	0.000	-0.045	0.0 8	0.07 9	5	3.7
3-Jul-02	USGS	1080	0.007	0.024	0.015	0.23	0.088	6	4.6	0400	0.007	0.005	0.004	0.44	0.044	-	-	-	0.04	0.00		0.00	0.050	4.0		4540	0.004	0.022	<0.015	0.2 S	0.07 S	- 5	3.1
17-Jul-02	DEQ									2490	0.007	0.025	0.024	0.44	0.014	8	-	_	0.01	0.03	0.023	0.26	0.058	4.8								_	
18-Jul-02	USGS	2240	< 0.007	0.034	<0.015	0.34	0.058	17	13							-	-	-								5950	<0.007	0.021	<0.015	0.17	0.081	5	3.7
31-Jul-02	DEQ							-		4730	0.006	0.026	0.011	0.23	0.022	6		-	0.01	0.025	0.01	0.22	0.034	7.2									-
1-Aug-02	USGS	4290	<0.007	0.029	<0.015	0.2	0.036	28	4.5	$\vdash$				-		_	_	$\perp$								7240	0.008	0.025	0.008	0.16	0.061	- 6	3.8
14-Aug-02	DEQ									3100	< 0.005	0.021	0.006	0.22	< 0.005	4.4		1	0.005	0.024	0.017	0.27	0.02	5.2								<del></del>	-
21-Aug-02	USGS	2650	<0.007	0.024	<0.015	0.18	0.044	6	2.9																	5700	0.004 E	0.025	<0.015	0.14	0.051	4	14
4-Sep-02	USGS	5130	< 0.007	0.029	<0.015	0.24	0.023	33	5.3																	7150	0.006 E	0.022	<0.015	0.32	0.038	6	3
5-Sep-02	DEQ									5980	< 0.005	0.029	0.025	0.21	0.021	8.4			0.006	0.027	0.025	0.25	0.034	5.2									
18-Sep-02	USGS	3500	< 0.007	0.022	< 0.015	0.17	0.034	6	3																	5590	0.007	0.025	<0.015	0.14	0.061	3	5.6
19-Sep-02	DEQ									3600	< 0.005	0.019	0.015	0.18	0.036	3.2			0.007	0.02	0.021	0.24	0.009	4.4									
9-Oct-02	DEQ	1560	0.006	0.02	0.015	0.17	0.033	<1.0		1500	0.007	0.017	0.031	0.23	< 0.005	<1.0										2310	0.02	0.032	0.021	0.2	0.096	<1.0	
31-Oct-02	DEQ	1890	0.005	0.009	0.018	0.22	0.036	1.6		2150	< 0.005	0.008	0.011	0.22	0.037	1.6			0.009	0.014	0.027	0.15	0.086	2		2640	0.017	0.022	0.045	0.13	0.158	1.6	
14-Nov-02	DEQ	2030	<0.005	0.017	< 0.005	0.14	0.049	1.6		2260	< 0.005	0.013	0.27	0.12	0.093	1.6			0.009	0.02	< 0.005	0.15	0.127	1		2540	0.018	0.032	<0.005	0.12	0.2	1.2	
4-Dec-02	DEQ	1980	0.006	0.012	0.021	0.16	0.079	1.2		2130	0.006	0.02	0.007	0.21	0.163	4			0.01	0.02	0.007	0.19	0.206	1.2		2400	0.016	0.024	0.011	0.14	0.24	<1.0	
15-Jan-03	DEQ	1900	0.006	0.021	0.008	0.18	0.3	4		2050	0.007	0.02	0.005	0.14	0.302	4			0.009	0.024	0.034	0.15		4.4		2370	0.013	0.024	0.049	0.21	0.335	1	
12-Feb-03	DEQ	1840	0.008	0.022	0.08	0.19	0.253	10		2020	0.008	0.027	<0.005	0.2	0.28	5.6			0.012	0.096	0.021	0.37		30		2200	0.015	0.025	0.028	0.24	0.355	2.8	
18-Mar-03	DEQ	2070	0.000	0.022	0.026	0.4	0.258	21		2200	0.008	0.056	<0.005	0.3	0.293	14			0.012	0.061	0.021	0.26		11		2560	0.013	0.058	0.062	0.31	0.33	8	
16-Apr-03	DEQ	1200		0.069	0.008	0.5	0.102	17		1360	0.013	0.064	0.007	0.45	0.062	14			0.025	0.069	0.005	0.41		15		2590	0.022	0.05	0.002	0.28	0.121	5.6	
7-May-03	DEQ	2000	0.017	0.061	0.003	0.39	0.096	21		2160	0.013	0.041	0.007	0.43	0.002	13			0.023	0.038	<0.005	0.29	0.105	11		4450	0.022	0.036	0.021	0.24	0.121	7.6	
	DEQ	2560		0.048	0.023	0.39	0.038		9	2940	0.006	0.042	0.023	0.27	0.069		9.26		0.009	0.038		0.27	0.107	15	7.63	6730	0.013	0.030	0.044	0.19	0.123	10	7.8
29-May-03 19-Jun-03	DEQ	2930	< 0.006	0.042	0.005	0.39	0.052	19	9	3500	< 0.005	0.042	<0.005	0.28	0.054	18	5.74		<0.005	0.042	0.027	0.25	0.08	7.2		7010	<0.005	0.026	0.025	0.19	0.123	6.4	
									9								5.74	+							4.21							3.2	4.90
2-Jul-03	DEQ	2600	0.005	0.032	0.009	0.27	0.027	10		3050	0.005	0.026	0.011	0.24	0.023	6.8		_	0.008	0.025	0.01	0.22	0.039	3.2		6400	0.011	0.03	0.015	0.23	0.068		_
30-Jul-03	DEQ	6480	0.009	0.043	0.008	0.29	0.025	18		6810	0.01	0.044	0.008	0.35	0.031	18 licate s	amples		0.011	0.035	0.013	0.25	0.051	10		8950	0.013	0.035	0.021	0.22	0.06	11	
28-Feb-01	DEQ														Dus	licate s	amples	•								3000 E	0.019	0.039	0.089	0.16	0.268	2	
-				1				_								_			<0.005	0.044	0.008	0.20	0.04	10		5000	0.018	0.058	0.008	0.10	0.200		
7-May-01	DEQ																					0.29									_	+	
2-Aug-01	DEQ			_														_	0.006	0.018	0.021	0.3	0.011	2							_	_	
25-Sep-01	DEQ			+ -				_		$\vdash$				_		-		+	0.01	0.021	0.016	0.17	0.008	- 2			0.028	0.027	0.000	0.13	0.157	-	$\vdash$
29-Oct-01	DEQ			_						$\vdash$	0.01	0.004	0.000	0.10	-0.005	7.0		+									0.028	0.027	0.022	0.13	0.157	- 2	_
12-Jun-02	DEQ			+				-			0.01	0.031	0.026	0.19	<0.005	7.2		-	0.000	0.000	0.000	0.7	0.000									+	-
5-Sep-02	DEQ			+				-		$\vdash$	0.000	0.017	0.011	0.00			-	+	0.006	0.027	0.018	0.2	0.036	4					_	_		+	$\vdash$
9-Oct-02	DEQ			-				-			0.009	0.017	0.018	0.38	<0.005	<1.0		-														+	-
4-Dec-02	DEQ		0.006	0.014	0.006	0.16	0.093	1.2										-													-	+	-
16-Apr-03	DEQ							-			0.013	0.061	0.016	0.43	0.061	13		-														+	-
19-Jun-03	DEQ							_		$\vdash$	0.005	0.033	0.007	0.27	0.055	12	6.3	_														<del> </del>	_
2-Jul-03	DEQ										0.005	0.029	0.008	0.25	0.023	6																<u> </u>	-
30-Jul-03	DEQ										0.013	0.043	0.006	0.34	0.032	16	L																
															В	ank sar	nples	_															
28-Feb-01	DEQ		<0.005	<0.005	0.009 2	<0.05	<0.005	<1.0		$\vdash$								_														<del></del>	_
7-May-01	DEQ							_										1	<0.005	0.005	0.012 3	<0.05	0.018 3	<1.0								<del>                                     </del>	-
13-Aug-01	DEQ																		<0.005	<0.005	<0.005	<0.05	0.033	<1.0									
29-Oct-01	DEQ		< 0.005	0.006	0.008	< 0.05	0.007	<1.0																									
17-Jul-02	DEQ										< 0.005	< 0.005	0.11	0.11	0.005	<1.0																	
5-Sep-02	DEQ										< 0.005	<0.005	0.02	<0.05	0.271	<1.0																	
4-Dec-02	DEQ		<0.005	< 0.005	< 0.005	< 0.05	<0.005	<1.0																									
12-Feb-03	DEQ		< 0.005	< 0.005	< 0.005	< 0.05	0.005	<1.0																									
7-May-03	DEQ		0.01	<0.005	<0.005	<0.05	0.051	<1																									
2-Jul-03	DEQ		0.005	0.005	< 0.005	< 0.05	0.078	<1																									
																		_													$\overline{}$	-	-

ATSS=total suspended solids (DEQ analysis), SSC=suspended sediment concentration (USGS analysis)

220 DRAFT 7/20/04

Eestimated

Smost probable value

<sup>&</sup>lt;sup>1</sup>dissolved ortho phosphate higher than total phosphorus most likely because of contamination

<sup>&</sup>lt;sup>2</sup>because the lab assumed this sample was a blank they repeated the ammonia test and measured a similar concentration of 0.010 mg/l

<sup>3</sup>because the lab assumed this sample was a blank they repeated the ammonia and NO<sub>2</sub>/NO<sub>3</sub> tests and measured concentrations of 0.009 mg/l and 0.016 mg/l

Table C-2.	USGS	bedload	d sampling at	t Snake River	near Shelle	/(13060000	)) and near	Blackfoot (	13069500	) dage site	s. 2000	0-2002									
	I						Ī						edimen	t bedlo	ad siev	/e dian	neter, p	ercent	finer th	an	
							Sampling			Complex					I						
							location, cross			Sampler											
			Cuenandad	Succeeded	Padland	Number of		Compler	Compling	bag										'	
		Flow		Suspended	Bedload	Number of	,		Sampling	mesh	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.0	32.0	64.0
Doto	Time		sediment	sediment	sediment	sampling	from left	type	method	size	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Date	Time	(cfs)	(mg/L)	(tons/day)	(tons/day)	points	bank)	(code)	(code)	(mm)	1111111	1111111	1111111	1111111	1111111	1111111	1111111	1111111	1111111	111111	
44 8 = = 00	14400	0740	I		0.8	1 20			near Shelle				_		00	00	100	400	400	100	1400
14-Apr-00		8740			0.8	20	470	1100		0.25	0	0	2	63	83	93	100	100	100	100	100
14-Apr-00 14-Apr-00	1506	8740 8740	24	566	0.3	20	470	1100	1000	0.25	U	5	15	60	80	95	100	100	100	100	100
																				<u> </u>	
28-Apr-00	_	9220	16 12	398																<u> </u>	
5-May-00	1420	7730	12	250	0.4	20	470	4400	4000	0.25	_	_	2	76	0.7	400	100	400	100	100	400
19-May-00		7820						1100	1000		0	0	3	76 40	97	100		100	100		100
19-May-00		7820	40	044	0.1	20	470	1100	1000	0.25	0	0	0	40	40	60	100	100	100	100	100
19-May-00		7820	10	211																<b></b>	
8-Jun-00	1254	9130	12	296	0.24	20	470	4400	4000	0.05	_	_		0.7	00	400	400	400	400	400	400
8-Jun-00	1316	9130			0.34	20	470	1100	1000	0.25	0	0	4	67	92	100	100	100	100	100	100
8-Jun-00	1348	9130		11	0.1	20	470	1100	1000	0.25	0	0	0	62	88	100	100	100	100	100	100
15-Jun-00	1115	8160	2	44																<u> </u>	
5-Jul-00	1545	7000	5	94																<u> </u>	
17-Jul-00	1248	7240	5	98	0.00		470	4400	1000	0.05			20			400	100	100	400	100	100
10-Aug-00	915	4840			0.08	20	470	1100	1000	0.25	0	0	20	80	80	100	100	100	100	100	100
10-Aug-00		4810			0.04	20	470	1100	1000	0.25	0	0	0	100	100	100	100	100	100	100	100
10-Aug-00	845	4890	2	26																<u> </u>	
29-Aug-00		4370	6	71																<u> </u>	
14-Sep-00		3520	3	29																<u> </u>	
29-Sep-00	_	3580	4	39																	L
6-Apr-01	1035	2870			0.04	20	462	1100	1000	0.25	0	0	33	100	100	100	100	100	100	100	100
6-Apr-01	1115	2870			0.12	20	462	1100	1000	0.25	0	12	25	62	75	88	100	100	100	100	100
6-Apr-01	945	2740	19	141																<u> </u>	
20-Apr-01	1400	1970	14	74																	
4-May-01	1250	3480			0.15	20	465	1100	1000	0.25	0	0	10	80	90	100	100	100	100	100	100
4-May-01	1330	3480	_		0.03	20	465	1100	1000	0.25	0	0	0	50	100	100	100	100	100	100	100
4-May-01	1207	3560	9	87																<u> </u>	
18-May-01	1252	6620	13	232																	
8-Jun-01	1450	5200			0.16	20	470	1100	1000	0.25	0	0	9	64	82	100	100	100	100	100	100
8-Jun-01	1530	5200	_	<u> </u>	0.09	20	470	1100	1000	0.25	0	0	17	33	83	100	100	100	100	100	100
8-Jun-01	1410	5290	5	71																<u> </u>	
20-Jun-01	836	5070	4	55			470	1100	1000		_						100	40.5	405	105	100
2-Jul-01	933	5210			2.6	20	470	1100	1000	0.25	0	0	15	86	98	99	100	100	100	100	100
2-Jul-01	1000	5210			0.03	20	470	1100	1000	0.25	0	0	0	0	0	50	100	100	100	100	100
2-Jul-01	916	5210	4	56																<u> </u>	
16-Jul-01	1033	5210	4	56																<u> </u>	-
2-Aug-01	1150	4150	2	22																<u> </u>	
10-Aug-01	830	4220	2	6.6																<u> </u>	
10-Sep-01	934	4320	2	23																<u> </u>	
21-Sep-01		4340	2	23					1000							4		400	4	1	
4-Apr-02	1732	2090			0.02	20	398	1100	1000	0.25	24	30	38	77	91	100	100	100	100	100	100
4-Apr-02	1803	2100			0.01	20	398	1100	1000	0.25	53	55	64	78	87	100	100	100	100	100	100
9-May-02	1215	3490			0.01	20	462	1100	1000	0.25	10	15	25	83	92	100	100	100	100	100	100
9-May-02	1320	3470			0	20	462	1100	1000	0.25	31	42	56	80	88	100	100	100	100	100	100
6-Jun-02	1115	5700			0.02	20	468	1100	1000	0.25	0	0	17	58	67	83	100	100	100	100	100
6-Jun-02	1215	5730			0.46	20	468	1100	1000	0.25	0	0.3	1	12	25	70	100	100	100	100	100
1-Aug-02	1215	7240			0.04	20	470	1100	1000	0.25	0	0	7	63	83	93	100	100	100	100	100
1-Aug-02	1245	7240			0.01	20	470	1100	1000	0.25	0	0	0	33	56	89	100	100	100	100	100

0 | 1000 | 0.25 | 0 | 0 | 0 | 33 | 56 | 89 | 100 | 100 | 100 | 100 | 100 | DRAFT 7/20/04

Table C-2.	Continu	ied.																			
							Sampling					Se	edimen	t bedlo	ad siev	/e dian	neter, p	ercent	finer th	an	
							location.			Sampler											
							cross			bag											
			Suspended	Suspended	Bedload	Number of		Sampler	Sampling	mesh											
		Flow	sediment	sediment	sediment	sampling	from left	type	method	size	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.0	32.0	64.0
Date	Time	(cfs)	(mg/L)	(tons/day)	(tons/day)	points	bank)	(code)	(code)	(mm)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2310	1	10.07	1 137	1 1201101 0017	(correct day)	ponne	-		ar Blackfo							<u> </u>					
14-Apr-00	1111	7320			62	20	304	1100	1000	0.25	0	0	1	47	64	64	65	65	78	88	100
14-Apr-00	1144	7320			51	20	304	1100	1000	0.25	0	0	2	69	92	92	93	94	99	100	100
14-Apr-00		7380	50	996																	
27-Apr-00	1047	7640	45	928																	
5-May-00	1045	3990	26	280																	
18-May-00	1219	4770	14	180																	
18-May-00	1304	4740			4.9	20	304	1100	1000	0.25	0	0	5	86	98	100	100	100	100	100	100
18-May-00	1340	4720			9	20	304	1100	1000	0.25	0	0	4	74	98	100	100	100	100	100	100
8-Jun-00	915	5760	18	280																	
8-Jun-00	1030	5760			8.1	20	294	1100	1000	0.25	0	0	2	79	99	100	100	100	100	100	100
8-Jun-00	1102	5760			8.5	20	294	1100	1000	0.25	0	0	3	69	98	100	100	100	100	100	100
14-Jun-00	1430	4880	13	171																	
5-Jul-00	1158	3450	15	140																	
19-Jul-00	845	4170	29	327																	
10-Aug-00	1305	2170	4	23								_									
10-Aug-00	1340	2260			0.2	20	272	1100	1000	0.25	0	5	23	73	86	95	100	100	100	100	100
10-Aug-00	_	2250		10	0.1	20	272	1100	1000	0.25	0	6	18	71	88	100	100	100	100	100	100
23-Aug-00	1547	2110	8	46																	
13-Sep-00		1310	3	11																	
27-Sep-00	_	2250	9 29	55																	
5-Apr-01	952 1055	2120	29	166	1.3	20	270	1100	1000	0.25	6	15	32	91	99	100	100	100	100	100	100
5-Apr-01 5-Apr-01	1200	2220 2220			2.8	20	270	1100	1000	0.25	2	5	24	84	99	100	100	100	100	100	100
20-Apr-01	1107	1260	19	65	2.0	20	270	1100	1000	0.23		- 3	24	04	99	100	100	100	100	100	100
4-May-01	732	1370	13	48																	
4-May-01	745	1180	15	40	0.2	20	262	1100	1000	0.25	0	0	15	88	96	100	100	100	100	100	100
4-May-01	850	1180			0.1	20	262	1100	1000	0.25	0	ŏ	0	75	94	100	100	100	100	100	100
16-May-01	1408	1590	14	60	0.1	20	202	1100	1000	0.20	l	l ~	Ť			100	100	100	100	100	100
8-Jun-01	958	1830	11	54																	
8-Jun-01	920	1830		0.	0.8	20	270	1100	1000	0.25	0	1	25	92	97	99	100	100	100	100	100
8-Jun-01	1035	1830			0.9	20	270	1100	1000	0.25	Ō	1	22	92	99	100	100	100	100	100	100
20-Jun-01	1211	1990	10	54																	
2-Jul-01	1245	1530	15	62																	
2-Jul-01	1300	1530			0.1	20	266	1100	1000	0.25	0	0	0	17	50	83	100	100	100	100	100
2-Jul-01	1330	1530			1.7	20	266	1100	1000	0.25	0	1	2	25	93	100	100	100	100	100	100
16-Jul-01	1308	2160	10	58																	
2-Aug-01	910	1350	5	18																	
10-Aug-01	1210	1160	3	9.4																	
7-Sep-01	1250	3830	27	279																	
20-Sep-01	1652	1880	3	15																	
4-Apr-02	1341	1880			0.07	20	270	1100	1000	0.25	2	10	31	78	89	94	96	100	100	100	100
4-Apr-02	1429	1890			0.21	20	270	1100	1000	0.25	1	2	8	90	96	99	100	100	100	100	100
9-May-02	920	1270			0.02	20	262	1100	1000	0.25	1	3	17	81	96	98	100	100	100	100	100
9-May-02	1022	1290			0.04	20	262	1000	1000	0.25	2	5	26	86	98	100	100	100	100	100	100
6-Jun-02	845	2720			0.54	20	260	1100	1000	0.25	0.2	0.5	15	92	99	100	100	100	100	100	100
6-Jun-02	945	2710			0.41	20	260	1100	1000	0.25	0	0.2	14	97	99	100	100	100	100	100	100
1-Aug-02	840	4320			8.7	20	287	1100	1000	0.25	0.1	0.4	7	73	98	100	100	100	100	100	100
1-Aug-02	915	4340			9.9	20	287	1100	1000	0.25	0	0.1	0.6	28	98	99	100	100	100	100	100

222 DRAFT 7/20/04

Table C-3. USGS Snake River temperature monitoring data

Table C-3.	USGS :	Snake I			ire moni	toring d	ata.		100/	3004		
		r Shelle	WY2		Blackfo	not	n	r Shelle	WY2		Blackfo	not
Date	Max	Min	Mean									
1-Apr												
2-Apr												
3-Apr												
4-Apr												
5-Apr												
6-Apr										10.7	8.7	9.5
7-Apr							9.4	6.8	7.6	9.1	7.9	8.6
8-Apr							9.9	5.4	6.8	8.4	6.7	7.5
9-Apr							11.1	4.7	6.9	9.0	6.0	7.4
10-Apr							10.6	4.7	6.9	9.4	7.1	8.2
11-Apr							9.9	4.4	6.6	8.8	7.1	7.9
12-Apr							6.3	4.3	5.2	8.1	6.5	7.0
13-Apr							6.9	3.7	5.3	7.3	5.3	6.3
14-Apr							10.0 11.7	4.3 3.8	6.0 7.0	8.4 9.7	5.7 6.5	6.9
15-Apr									8.3	10.8		8.0 9.1
16-Apr 17-Apr							13.4 15.1	4.9 6.2	9.6	12.2	7.6 8.7	10.3
							16.1	6.9	10.7	13.2	9.9	11.5
18-Apr 19-Apr							14.0	8.5	10.7	12.9	10.5	11.5
20-Apr							12.6	8.6	9.7	12.9	9.7	10.7
21-Apr							14.5	8.5	11.0	11.3	8.7	10.7
22-Apr							15.4	9.2	11.3	13.0	9.9	11.3
23-Apr							13.1	8.6	10.6	12.5	10.5	11.6
24-Apr							16.2	8.6	11.8	14.1	10.5	12.3
25-Apr							17.5	9.4	12.6	15.2	11.8	13.5
26-Apr							16.9	10.9	13.2	15.8	12.7	14.4
27-Apr							15.3	12.5	13.7	15.7	13.6	14.7
28-Apr				12.1	10.2	11.2	14.2	12.0	13.2	15.5	13.6	14.5
29-Apr				11.6	10.0	11.0	12.5	11.1	11.8	14.4	12.4	13.1
30-Apr	10.7	9.6	10.2	12.5	10.2	11.3	11.1	10.5	10.8	12.9	11.9	12.3
Month												
1-May	10.6	9.2	10	12.5	10.2	11.4	10.5	9.5	10.1	12.4	11.0	11.6
2-May	11.6	10.1	10.8	12.7	10.5	11.7	10.8	8.5	9.4	11.3	10.2	10.7
3-May	12.7	10.6	11.5	13.6	11.1	12.3	11.1	7.7	9.1	11.5	9.3	10.3
4-May	12.6	11.6	12.0	13.6	12.4	13.0	12.6	7.7	9.8	12.9	9.9	11.3
5-May 6-May	12.1 9.9	9.9 8.4	11.2 9.1	13.5 11.6	11.6 10.7	12.2 11.0	12.2 12.5	8.6 9.4	10.0 10.8	12.5 12.9	11.3 10.8	12.0 11.8
7-May	8.4	7.8	8.0	10.8	9.4	9.9	12.5	10.0	11.0	13.3	11.0	12.2
8-May	8.5	7.5	8.0	10.0	8.7	9.4	12.5	9.9	11.1	14.2	11.9	13.1
9-May	9.3	8.1	8.6	10.2	9.1	9.7	13.0	10.9	11.6	14.4	12.9	13.6
10-May	9.5	8.7	9.1	10.7	9.3	10	12.8	10.9	11.7	14.1	11.9	13.1
11-May	8.7	7.9	8.1	10.4	8.3	8.9	13.0	10.9	11.9	14.9	12.2	13.5
12-May	8.1	7.2	7.7	9.7	7.9	8.6	14.0	11.7	12.7	15.5	13.0	14.2
13-May	9.0	7.3	8.2	10.2	8.3	9.2	15.1	12.6	13.7	15.7	13.9	14.7
14-May	10.4	8.5	9.5	11.6	9.3	10.2	15.4	13.4	14.1	16.5	14.2	15.2
15-May	11.6	10.3	10.9	12.5	10.2	11.3	14.3	13.1	13.7	15.8	14.2	14.8
16-May	11.5	10.9	11.1	12.4	11.3	11.8	13.9	12.3	13.0	15.2	13.5	14.3
17-May	10.9	10.3	10.6	11.9	10.8	11.4	12.6	11.9	12.2	14.9	13.2	14.0
18-May	11.0	9.8	10.3	12.7	10.8	11.6	13.0	12.2	12.6	14.7	13.6	14.2
19-May	12.0	10.1	11.0	12.7	11.3	12.0	13.3	12.3	12.8	14.7	13.5	14.2
20-May	13.4	11.6	12.2	13.6	11.6	12.5	13.6	12	12.8	14.1	13.0	13.5
21-May	13.5	12.0	12.7	14.5	12.5	13.4	13.7	11.9	12.5	14.6	12.1	13.3
22-May	13.7	12.9	13.2	14.5	13.3	14.0	13.7	11.6	12.4	15.8	12.9	14.2
23-May	14.1	12.9	13.5	15.3	13.5	14.3	15.3	12.3	13.6	16.8	13.9	15.3
24-May	14.7	13.4	14.0	15.6	14.2	14.9	17.2	13.6	15.2	17.7	14.6	16.0
25-May	14.9	14.1	14.3	15.5	14.5	15.0	17.7	14.8	15.9	18.2	15.8	17.1
26-May 27-May	14.6 14.0	13.7 13.2	14.0 13.7	15.6 15.6	14.4 13.9	15.0 14.8	16.9 16.4	15.1 14.8	15.7	18.0 18.0	16.5	17.3 17.1
27-iviay 28-May	13.7	12.6	13.0	15.5	14.1	14.9	15.8	14.7	15.4 15.1	17.7	16.1 16.0	16.9
20-iviay 29-May	13.7	12.0	12.7	15.5	13.6	14.9	15.0	13.9	14.6	17.1	15.2	16.1
30-May	13.5	11.8	12.7	14.9	13.1	14.1	14.2	13.3	13.7	16.0	13.8	14.9
31-May	13.2	11.8	12.3	14.5	12.8	13.6	15.3	13.3	14.2	17.2	14.2	15.7
Month	14.9	7.2	11.1	15.6	7.9	12.1	17.7	7.7	12.7	18.2	9.3	14.1
MOHIT	1-7.0	1.4	1 1 1 1 1	10.0	1.0	14.1	11.7	1.7	14.6	10.2	U.S	1-7.1

Table C-3. Continued.

Table C-3.	Continu	ied.										
				2000					WY2			
	n	r Shelle	y .		Blackfo	ot	n	r Shelle	y .		Blackfo	oot
Date	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1-Jun	12.7	11.2	12.0	14.2	12.1	13.1	16.2	14.0	15.1	18.9	15.0	16.8
2-Jun	13.2	11.5	12.4	14.9	12.7	13.8	16.4	15.0	15.5	17.7	16.0	16.7
3-Jun	14.1	12.6	13.4	15.5	13.1	14.3	15.0	13.1	14.2	16.3	13.9	14.9
4-Jun	14.6	13.0	13.9	16.4	13.9	15.1	13.1	10.5	11.7	13.9	12.2	12.8
5-Jun	14.6	13.4	14.1	16.4	14.4	15.5	10.9	10.2	10.5	12.9	11.3	12.1
6-Jun	15.1	13.8	14.5	16.8	14.5	15.6	12.0	10.5	11.3	14.4	11.6	13.0
7-Jun	15.7	14.1	15.0	17.2	15	16.1	14.2	12.0	13.1	16.1	13.0	14.5
8-Jun	15.5	14.6	15.1	16.9	15.3	16.2	16.1	13.7	14.9	17.7	14.6	16.0
9-Jun	14.9	13.5	14.0	16.6	14.5	15.3	17.3	15.1	16.1	18.4	15.8	17.0
10-Jun	13.5	12.6	13.0	15.2	13.8	14.4	17.3	15.4	16.3	19.2	15.8	17.5
11-Jun	13.0	12.1	12.7	15.0	13.5	14.3	17.0	15.4	16.0	18.5	16.1	17.4
12-Jun	12.9	12.4	12.6	15.0	13.5	13.9	15.6	13.4	14.8	17.4	14.1	15.8
13-Jun	13.0	12.1	12.5	14.9	12.7	13.6	13.4	11.4	12.6	14.1	12.4	12.8
14-Jun	14.4	12.3	13.2	15.3	13.3	14.3	11.4	10.5	10.9	14.7	11.6	13.1
15-Jun	15.4	14.0	14.6	15.3	14.2	14.9	13.1	10.8	12.0	14.7	12.7	13.7
16-Jun	14.9	14.1	14.5	16.1	14.2	15.1	15.0	13.1	14.2	16.3	13.0	14.5
17-Jun	14.6	13.7	14.1	16.3	14.5	15.5	16.1	15.0	15.5	16.6	15.2	16.0
18-Jun	14.9	13.5	14.2	16.6	14.7	15.6	16.2	15.0	15.4	16.8	14.9	16.0
19-Jun	14.9	14.3	14.5	16.4	15.0	15.7	16.4	14.7	15.5	17.4	15.0	16.2
20-Jun	15.1	13.7	14.1	16.1	14.5	15.4	17.2	15.0	16.1	18.9	15.8	17.2
21-Jun	14.6	13.4	14.0	16.6	14.9	15.7	18.0	15.8	16.9	19.8	16.6	18.1
22-Jun	16.2	14.6	15.4	17.4	15.2	16.2	18.6	17.0	17.7	20.6	17.4	18.9
23-Jun	17.0	15.9	16.4	18.2	16.4	17.2	19.6	17.5	18.4	21.1	18.4	19.7
24-Jun	17.8	16.2	16.7	10.2	10.1		19.8	17.8	18.6	21.5	18.5	20.0
25-Jun	18.2	16.2	17.0				18.6	17.2	17.9	20.5	17.7	19.2
26-Jun	17.8	16.3	16.9				17.7	16.5	17.2	19.5	17.4	18.1
27-Jun	18.1	16.0	16.8				18.3	16.2	17.2	20.6	16.8	18.5
28-Jun	17.8	15.9	16.6				19.6	16.5	17.9	21.3	18.0	19.6
29-Jun	18.1	16.0	16.8				20.4	17.7	18.9	22.1	18.4	20.2
30-Jun	17.8	16.3	16.8				20.9	18.5	19.6	22.8	19.0	20.8
Month	18.2	11.2	14.6				20.9	10.2	15.4	22.8	11.3	16.6
1-Jul	17.4	16.5	16.8	20.0	17.5	18.6	20.9	18.6	19.5	22.8	19.5	21.2
2-Jul	17.9	16.0	16.8	19.7	17.5	18.6	21.4	18.5	19.7	23.1	19.5	21.2
3-Jul	16.6	16.2	16.4	19.2	17.5	18.3	21.4	18.9	20.0	23.5	19.7	21.5
4-Jul	16.5	15.5	16.0	18.0	16.0	16.9	21.6	19.4	20.3	23.3	20.6	21.9
5-Jul	16.5	15.4	15.9	18.5	16.1	17.3	21.6	19.8	20.3	23.1	20.8	21.8
6-Jul	16.8	15.2	15.9	18.4	16.4	17.4	21.1	19.3	20.0	22.6	20.3	21.3
7-Jul	17.3	16.2	16.7	18.8	17.1	17.9	19.9	19.3	19.6	21.3	19.7	20.2
8-Jul	17.6	16.6	17.1	19.2	17.4	18.4	20.2	18.9	19.4	21.6	19.0	20.2
9-Jul	17.8	16.8	17.3	19.0	17.9	18.5	19.8	18.8	19.2	20.6	19.5	20.1
10-Jul	17.3	16.5	16.9	19.0	17.5	17.9	20.4	19.1	19.6	21.8	19.2	20.1
11-Jul	17.0	15.9	16.5	19.0	16.8	17.8	20.7	19.1	19.8	21.6	19.8	20.7
12-Jul	17.8	16.0	16.9	19.5	17.5	18.6	21.4	19.1	20.1	21.8	19.3	20.7
13-Jul	18.6	17.6	18.0	19.7	17.7	18.8	21.4	19.4	20.1	21.3	19.8	20.5
13-Jul	18.6	17.8	18.0	19.7	18.5	19.0	21.4	19.1	19.8	21.3	19.3	20.3
15-Jul	18.4	17.4	17.8	19.3	18.0	18.7	21.2	18.6	19.3	21.0	19.2	19.9
16-Jul	18.6	17.3	17.9	19.7	18.4	19.0	20.1	18.1	18.9	21.1	18.2	19.5
17-Jul	19.2	18.2	18.5	19.7	18.7	19.1	19.9	18.1	18.8	20.0	18.9	19.4
18-Jul	18.6	17.8	18.2	19.3	17.9	18.6	20.4	18.0	18.9	20.5	18.2	19.2
19-Jul	17.8	17.0	17.4	19.5	18.0	18.8	20.4	18.0	19.1	21.1	18.4	19.7
20-Jul	18.2	16.6	17.4	19.3	17.7	18.5	21.4	18.3	19.1	21.6	18.9	20.1
21-Jul	19.1	17.4	18.2	19.5	17.7	18.6	21.9	18.3	19.8	21.3	18.7	20.1
21-Jul	20.3	17.6	18.8	19.0	17.7	10.0	22.2	18.5	20.0	21.5	18.5	20.0
23-Jul	20.3	18.1	19.1				22.6	18.5	20.0	22.1	18.5	20.0
23-Jul 24-Jul	20.5	18.1	19.0				22.7	18.5	20.1	22.1	19.0	20.5
							23.4					
25-Jul	21.0	17.6	19.0					18.5	20.4	22.1	18.9	20.4
26-Jul 27-Jul	20.5	17.9 17.6	18.6 18.4				22.6 22.4	18.5 18.3	20.1	22	18.9 18.4	20.4
									20.0	22.1		
28-Jul	20.2	17.1	18.5	22.0	10.0	20.7	21.7	18.5	19.7	21.6	19.0	20.3
29-Jul	21.0	18.2	19.3	22.8	18.8	20.7	21.2	18.1	19.5	21.0	18.0	19.5
30-Jul	21.3	18.6	19.7	23.0	19.0	20.9	21.2	17.7	19.1	21.0	18.0	19.5
31-Jul	21.3	18.9	20.0	23.1	19.8	21.3	20.6	17.2	18.5	19.8	17.4	18.6
Month	21.3	15.2	17.8				23.4	17.2	19.7	23.5	17.4	20.3

Table C-3. Continued.

Table C-3.	Continu	ed.										
			WY2						WY2			
		r Shelle			Blackfo			r Shelle			Blackfo	
Date	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1-Aug	21.1	19.4	20.2	23.1	20.0	21.4	21.4	16.7	18.7	21.0	17.1	19.0
2-Aug	21.5	19.4	20.1	23.1	19.8	21.3	22.1	17.5	19.5	22.0	18.2	20.0
3-Aug	20.8	19.1	19.7	22.8	19.8	20.8	20.7	18.1	19.5	20.8	18.9	19.8
4-Aug	20.7	18.7	19.4	22.8	19.5	20.9	22.7	18.8	20.4	22.1	18.7	20.3
5-Aug	20.2	18.4 18.1	19.0 19.0	21.5 20.5	19.3 18.8	20.4 19.7	22.7 23.4	18.8 18.9	20.4 20.8	22.3 22.6	19.2 19.5	20.7 21.0
6-Aug 7-Aug	20.3	18.4	19.0	20.8	18.7	19.7	23.6	19.9	21.3	22.3	20.2	21.0
8-Aug	20.3	18.4	19.1	20.6	18.7	19.7	24.3	19.9	21.7	23.0	19.8	21.4
9-Aug	21.3	18.7	19.5	21.0	19.2	20.0	22.7	20.1	21.0	22.1	20.3	20.9
10-Aug	21.8	19.1	19.9	22.0	19.5	20.5	23.2	19.3	20.8	21.8	19.0	20.4
11-Aug	21.5	18.1	19.5	21.6	17.2	19.8	22.6	19.1	20.5	21.6	19.3	20.4
12-Aug	21.7	17.3	19.0	22.0	15.8	19.1	22.7	18.6	20.3	21.6	19.2	20.4
13-Aug	21.5	17.4	19.0	21.8	17.5	19.7	22.6	19.3	20.4	22.0	19.3	20.5
14-Aug	21.5	17.1	18.9	22.3	17.1	19.6	23.6	19.1	21.0	22.1	19.3	20.7
15-Aug	20.7	17.4	18.8	21.0	17.4	19.4	22.7	19.4	20.8	21.5	19.7	20.5
16-Aug	21.7	17.3	18.9	22.0	16.4	19.3	22.7	18.6	20.4	21.8	18.9	20.3
17-Aug	21.8	17.1	18.7	21.1	17.1	19.2	22.9	18.8	20.5	22.1	19.3	20.6
18-Aug	20.7	17.6	18.6	21.6	17.2	19.4	22.2	18.9	20.2	21.5	19.5	20.5
19-Aug	20.5	17.4	18.6	20.6	17.5	19.0	21.4	18.8	19.6	20.6	18.5	19.6
20-Aug	19.2	16.8	17.7	19.5	17.2	18.3	20.1	17.8	18.8	20.0	18.2	19.1
21-Aug	19.2	16.5	17.5	18.8	16.6	17.8	21.1	17.2	18.7	19.8	17.7	18.9
22-Aug	19.9	16.2	17.8	19.8	16.9	18.2	22.1	17.3	19.3	20.3	17.4	18.9
23-Aug	21.2	17.4	18.4	19.3	17.4	18.3	21.2	17.8	19.3	20.3	18.4	19.3
24-Aug	21	17.8	19.0	21.1	17.5	19.1	22.1	17.8	19.5	20.2	18.0	19.1
25-Aug	21.8	18.1	19.6	21.1	18.4	19.7	22.2	17.3	19.4	20.5	17.7	19.0
26-Aug	21.5	18.7	19.7	21.0	18.5	19.7	22.7	17.2	19.5	21.0	18.0	19.4
27-Aug	21.2	18.1 17.1	19.2 18.4	20.8	18.0 17.9	19.4 18.9	22.2	17.7 18.0	19.5 19.8	20.6	18.4 18.2	19.5 19.3
28-Aug 29-Aug	20.5	16.3	18.0	20.1 20.1	16.9	18.6	22.4 22.7	17.8	19.0	20.5 20.6	18.2	19.3
30-Aug	19.1	17.1	17.6	19.0	17.4	18.0	21.6	17.8	19.5	20.0	18.7	19.4
31-Aug	19.2	16.3	17.3	18.2	16.1	17.2	21.9	18.3	19.6	20.3	18.2	19.2
Month	21.8	16.2	18.9	23.1	15.8	19.4	24.3	16.7	20.0	23.0	17.1	20.0
1-Sep	18.1	15.9	16.7	18.4	16.3	17.0	21.2	18.3	19.3	20.3	18.7	19.5
2-Sep	18.1	15.4	16.1	16.4	15.5	15.9	20.9	17.8	19.1	19.8	18.4	19.1
3-Sep	17.8	14.7	15.9	16.8	14.9	15.7	20.6	18.0	19.0	19.8	18.2	19.0
4-Sep	17.9	15.1	16.2	17.4	15.6	16.4	20.6	18.0	19.0	19.7	18.4	19.0
5-Sep	18.6	15.1	16.4	16.9	15.6	16.3	20.2	18.1	19.0	19.5	18.7	19.1
6-Sep	17.0	14.9	15.6	16.3	15.0	15.7	18.1	16.1	17.0	19.2	16.1	17.1
7-Sep	17.3	14.1	15.4	16.6	14.5	15.5	16.5	14.5	15.5	16.3	15.3	15.9
8-Sep	17.9	14.1	15.5	16.6	15.0	15.8	15.8	13.9	14.6	15.5	14.1	14.8
9-Sep	17.0	12.9	14.5	15.8	14.2	15.0	16.4	13.4	14.7	15.5	14.1	14.8
10-Sep				15.6	13.5	14.6	17.0	13.6	15.0	16.1	14.4	15.2
11-Sep				16.3	13.9	15.1	17.8	14.2	15.7	16.8	14.6	15.6
12-Sep				16.9	14.4	15.6	17.2	15.3	16.0	16.5	15.5	15.9
13-Sep				18.2	14.5	16.4	17.8	15.6	16.4	16.9	15.5	16.1
14-Sep 15-Sep	20.5	15.7	17.7	18.7	15.0	17.0	18.0	15.4	16.4 16.8	17.4 17.7	15.3	16.2
15-Sep 16-Sep	20.5	15.7 15.9	17.8	19.0 18.8	15.8 16.3	17.5 17.7	18.6 18.5	15.6 15.9	16.8	17.6	16.0 16.0	16.8 16.8
17-Sep	20.8	16.6	18.0	19.5	16.9	18.1	18.8	16.1	17.0	17.7	15.8	16.7
18-Sep	19.1	16.2	17.3	18.0	16.6	17.4	18.5	15.8	16.8	17.7	15.8	16.8
19-Sep	18.1	15.5	16.7	17.2	15.8	16.5	18.0	15.8	16.6	17.4	15.7	16.5
20-Sep	17.4	14.3	15.5	16.1	14.2	15.3	17.5	15.1	16.0	16.8	15.0	15.9
21-Sep	14.7	12.9	14.1	15.5	14.2	14.8	17.3	14.5	15.7	16.9	14.9	15.8
22-Sep	12.9	10.9	12.0	14.2	11.4	12.5	17.7	14.5	15.8	16.6	14.9	15.8
23-Sep	11.5	9.8	10.6	11.4	10.4	10.8	17.8	14.5	15.9	16.6	14.9	15.8
24-Sep	12.1	9.2	10.4	11.9	10.2	11.0	18.0	14.8	16.2	16.6	15.2	15.9
25-Sep	12.7	9.6	10.9	12.2	10.5	11.3	17.3	15.1	16.1	16.6	15.3	16.0
26-Sep	13.7	10.4	11.8	12.7	11.0	11.8	17.3	14.8	16.0	16.5	14.9	15.7
27-Sep	14.9	10.9	12.6	13.5	11.4	12.4	17.3	14.7	15.8	16.6	14.9	15.8
28-Sep	15.5	11.5	13.1	14.1	12.1	13.0	16.7	15.0	15.7	16.1	15.2	15.7
29-Sep	16.2	12.3	13.6	14.4	12.8	13.6	17.2	15.1	16	16.5	14.9	15.6
30-Sep	15.7	12.4	13.5	13.8	12.7	13.1	17.3	14.7	15.8	16.5	14.7	15.6
Month				19.5	10.2	15	21.2	13.4	16.5	20.3	14.1	16.5

Table C-4. City of Blackfoot sampling on Snake River at Blackfoot, May 2001 to September

2003 (from Discharge Monitoring Reports).

2000 (		Total ortho-	<u>                                     </u>			Total		
		phosphate	Total		Nitrate+	Kjeldahl		
	Flow	i as P	phosphorus	Ammonia	nitrite	nitrogen	Turbidity	TSS
Date	(cfs)	(mg/L) <sup>1</sup>	(mg/L) <sup>1</sup>	(mg/L) <sup>1</sup>	(mg/L) <sup>1</sup>	(mg/L) <sup>1</sup>	(NTU) <sup>1</sup>	(mg/L) <sup>1</sup>
May-01	1470	<0.05	<0.05	0.06	0.09	0.5	6.78	13
Jun-01	1470	<u> </u>	~0.03	0.00	0.09	0.5	0.70	13
Jul-01	2910	<0.05	<0.05	<0.04	0.1	0.3	4.77	16
Aug-01	2310	~0.03	~0.03	~0.04	0.1	0.5	4.77	10
Sep-01								
Oct-01	2370	<0.05	<0.05	<0.04	<0.04	<0.1	1.4	5
Nov-01	2070	-0.00	-0.00	~0.0 <del>4</del>	70.04	70.1	1.7	l
Dec-01								
Jan-02								
Feb-02								
Mar-02								
Apr-02	1860	<0.05	0.09	<0.04	0.15	0.48	5.3	13
May-02								
Jun-02	2819	0.05	0.05	<0.04	0.02	0.32	6.87	10.5
Jul-02								
Aug-02								
Sep-02								
Oct-02								
Nov-02	2170	<0.05	0.05	<0.04	0.1	0.15	1.12	2
Dec-02								
Jan-03								
Feb-03								
Mar-03	1800	0.05	0.05	0.04	0.18	0.23	4.61	9
Apr-03	1500	0.05	0.05	0.04	0.02	0.21	1.27	2
May-03								
Jun-03								
Jul-03								
Aug-03	4610	<0.05	<0.05	<0.04	<0.02	0.35	4.37	9
Sep-03	2530	<0.05	<0.05	<0.04	<0.02	0.24	1.73	28

<sup>&</sup>lt;sup>1</sup>TSS=total suspended solids; grab sample